

ABSTRACT

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Couplers for hair coloring compositions for oxidative dyeing of hair are compounds of the formula (1):

$$\begin{array}{c}
OH \\
O \\
NH_2
\end{array}$$

$$\begin{array}{c}
NH_2
\end{array}$$

$$\begin{array}{c}
X' \\
NH_2
\end{array}$$

$$\begin{array}{c}
(1) \\
\end{array}$$

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wherein X is Cl, Br, I, or R^4 SO₄; R_3 is a C₁ to C ₂₂ alkyl group or a C₁ to C₂₂ mono or dihydroxyalkyl group; R^1 and R^2 are each independently a C₁ to C₄ alkyl group; and R^4 a C₁ to C₂₂ alkyl group or a C₁ to C₂₂ mono or dihydroxyalkyl group.